Office Memorandum • UNITED STATES GOVERNMENT

TO : Chief, Reasearch and Development Branch DATE:

FEB 5 REC'D

FROM : Chief, Engineering Division

SUBJECT: Direction-finding or Transmitter-locating Apparatus

REFERENCES: (a) Memorandum from Chief, PLANS/OSO, dated 16 August, 1951

(b) Memorandum from Director of Communications, dated 22 August, 1951

(c) Memorandum from Assistant Director for Communications, dated 1 February, 1952 (attached)

1. Because of the requirement established by Ref. (a), and other requirements for apparatus of the same type, it is directed that the development of this type of equipment be undertaken as Sec. D of Project 2054.

2. It has been ascertained that the FCC Laboratory, located near Laurel, Md. has developed a superheterodyne receiver with plug-in "front ends" for various frequency ranges. This receiver also has several loop antennas, each with a different directional characteristic. Consideration is being given to a cooperative arrangement with FCC on this project. Make arrangements for further development of their information through C&ERB.

3. It is suggested that consideration be given to a crystal receiver or modified field-strength meter for short range work.

25X1

Acting

Attachment: CC Ref (c)

Chief, Reasearch and Development Branch

Chief, Engineering Division

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